

**CLAIMS:**

1. MODULAR POOL CONSTRUCTIVE DESIGN, whose walls are constituted by metallic panels, **characterized** by the fact of comprising a bottom including a structure that supports a plurality of equally metallic tiles, the said walls being connected to said bottom's structure, making up a unique and non-deformable structure and for all the pool's elements are interlinked by semi-permanent connecting.

2. MODULAR POOL CONSTRUCTIVE DESIGN, according to claim 1, **characterized** by the fact that the said panels are manufactured by folding steel sheets.

3. MODULAR POOL CONSTRUCTIVE DESIGN, according to claim 1, **characterized** by the fact that piling side panels of various heights forms the walls, said panels have the same horizontal dimension.

4. MODULAR POOL CONSTRUCTIVE DESIGN, according to claim 1, **characterized** by the fact that said bottom has a support structure made up by beams are interlinked by semi-permanent connecting elements means.

5. MODULAR POOL CONSTRUCTIVE DESIGN, according to claim 4, **characterized** by the fact that said support structure is comprised by a set of sleepers laid in parallel and a set of crossbeams placed at a right angle in relation to said sleepers.

6. MODULAR POOL CONSTRUCTIVE DESIGN, according to claim 4 or 5, **characterized** by the fact that the beams the make up the support structure are comprised by steel sheets folded into a "U" shape.

7. MODULAR POOL CONSTRUCTIVE DESIGN, according to claim 1, **characterized** by the fact that said support structure comprises semi-permanent connecting means with the pool's walls.

8. MODULAR POOL CONSTRUCTIVE DESIGN, according to claim 7, **characterized** by the fact that said

connecting means are comprised by angle iron type beams whose vertical rims are joined to said support structure perimeter beams and whose horizontal rims provide the support and the connecting means of the walls' module lower panel rims.

5                   9.    MODULAR    POOL    CONSTRUCTIVE    DESIGN,  
according to claim 8, **characterized** by the fact that said connecting means comprise through holes on the said angle iron beam horizontal rim aligned with the corresponding holes in the lower rim of the wall's lower panel.

10                  10.   MODULAR    POOL    CONSTRUCTIVE    DESIGN,  
according to claim 2, **characterized** by the fact that each wall panel comprises a rectangular shaped central portion and a rim along each of both horizontal sides of said central portion and bent at right angles in relation to the latter.

15                  11.   MODULAR    POOL    CONSTRUCTIVE    DESIGN,  
according to claim 10, **characterized** by the fact that each wall panel additionally comprises a rim along at least one of the vertical sides of said central portion; said rim bent at a right angle in relation to said central portion.

20                  12.   MODULAR    POOL    CONSTRUCTIVE    DESIGN,  
according to claim 10 or 11, **characterized** by the fact that each wall panel comprises a rim along of one of the vertical sides of said central rectangular portion, said rim being bent at an angle different to 90°, in relation with said  
25 panel.

                  13.   MODULAR    POOL    CONSTRUCTIVE    DESIGN,  
according to claim 1, **characterized** by the fact that tiles are provided with a central opening for the bottom's drain.

                  14.   MODULAR    POOL    CONSTRUCTIVE    DESIGN,  
30 according to claim 1, **characterized** by the fact that the bottom's support structure sleepers are provided by joining various length top beams.

15. MODULAR POOL CONSTRUCTIVE DESIGN, according to claim 14, **characterized** by the fact that the longer of the above mentioned beams are 2 meters.

5 16. MODULAR POOL CONSTRUCTIVE DESIGN, according to any of the previous claims, **characterized** by the fact that the semi-permanent connecting means of the pool's elements are provided by screws and nuts.